

Specialty Residency in Infectious Diseases Pharmacy Practice
Program Director: Ronald G. Hall II, Pharm.D., BCPS
North Texas Veterans Health Care System & Texas Tech University Health Sciences Center
Dallas, Texas

Philosophy:

The specialty residency in Infectious Diseases at Texas Tech University Health Sciences Center School of Pharmacy Dallas/Ft. Worth Regional Campus is designed to produce practitioners who exhibit excellence in pharmaceutical care in infectious diseases practice settings. An infectious diseases pharmacotherapy specialist should possess a mastery of clinical skills needed to practice in a wide range of patient care settings and a solid knowledge base in infectious diseases pharmacotherapy. The residency provides the environment necessary to achieve the knowledge and skills needed to care for patients with a wide range of disease states. The program will foster the development of an independent, versatile practitioner. The program is also designed to produce well rounded, independent professionals through experiences in teaching, research, and professional activities.

General Description:

The 12-month program is designed to lead the resident through a variety of integrated practice experiences. By the end of the program, the resident should feel competent practicing within both inpatient and outpatient settings involving infectious diseases pharmacotherapy. The residency includes core rotations that are chosen to establish a strong base in infectious diseases. The resident may choose electives based on his/her career goals. Although the residency is designed around the 12 rotations, the focus of the training will be to master each of the disease states established within the ASHP Practice Standards for a Specialized Residency in Infectious Diseases Pharmacy Practice.

Program Goals:

- **Practice Excellence**
 - Develop a mastery of knowledge base in infectious diseases pharmacotherapy
 - Develop solid patient care skills in acute, ambulatory, and chronic care settings
 - (Should achieve excellence in one major area)
 - Develop a sound understanding of pharmacy practice management
 - Establish yourself as an integral member of a health care team
- **Scholastic Excellence**
 - Demonstrate proficiency in teaching in both didactic and small group learning environments
 - Develop effective precepting skills
 - Generate new knowledge in Infectious Diseases Pharmacotherapy
 - Interpret and disseminate knowledge in Infectious Diseases Pharmacotherapy

- **Individual Excellence**

- Develop a system of self assessment and development
- Demonstrate exemplary verbal and written communication skills
- Utilize a system for balancing multiple work-related and personal responsibilities
- Understand the importance of professionalism through participation in pharmacy

For additional information, please refer to the [ASHP Supplemental Standard for Infectious Diseases Pharmacy Practice](#)

Program Activities:

Residency Rotations

Required Rotations:

Infectious Diseases (4-6 months)

Clinical Microbiology/Mycology/Virology Laboratory (2-4 weeks)

Antimicrobial Management Programs (1 month)

Critical Care (1-3 months)

Elective Rotations (based on past experience and career goals)

Anti-Infective Research Laboratory

Drug Information

Geriatrics/Home IV antibiotic therapy

Hematology/Oncology

Internal Medicine

Outpatient HIV/ID clinics

Pediatric Infectious Diseases

Research Project Development

Longitudinal Clinics

Residents will be required to spend one afternoon each week in the infectious diseases/HIV clinic during the year.

Teaching Activities:

Residents are appointed as Assistant Instructors with Texas Tech UHSC School of Pharmacy. Teaching activities for residents are designed to complement practice activities while allowing the resident to experience a variety of teaching methods.

Clinician-Educator Training Program

Structured throughout the residency, this program provides training for residents who are interested in developing their academic skills. The major goal of the training program is to supplement a strong clinical background with the skills needed to become a successful educator. The program includes didactic and web-based teaching models, mentored facilitator training for small-group problem-based learning, and precepting of third and fourth-year Doctor of Pharmacy students. Residents also receive instruction in grant writing, statistics, and clinical trial design; submit a project proposal to the institutional review board; and collect, interpret, and publish their results. Additional activities to enhance discovery, integration, and writing skills are described. The program also includes innovative discussion topics based upon needs previously identified by new faculty members. Examples include handling difficult students, writing test questions, developing consistent evaluation methodism and balancing life outside of career.

Didactic Teaching

1-2 hours of formal didactic lecturing within the school of pharmacy programs. The courses that are to be taught will be based on availability and resident interest.

Problem-Based Learning

1 semester as a group facilitator in case studies (P3 class). The case studies course is a student-directed exercise that focuses on pharmaceutical care for an individual patient. It is designed to be a problem based learning experience in which students see an initial patient presentation. They then spend the next 3 to 4 sessions developing a patient care plan and addressing self-identified learning issues. Both pathophysiology and therapeutic knowledge are incorporated. The facilitator's role is not to teach the students, but rather to facilitate their discussion. During the semester, this course meets twice a week for two hours.

Experiential Teaching

Clerkship teaching (involving both P3 and P4 students) is integrated into the resident practice model. Early in the program, the resident will observe faculty clerkship preceptors and become integrated into various aspects of clerkship teaching. At the end of the residency program, residents have the opportunity to independently precept clerkship students

Residency Project:

Residency Project: Residents will complete one project per year. Residents may chose any type of research project or quality improvement program, provided that the project:

- 1) includes generation of original data;
- 2) is suitable for publication or presentation at a national pharmacy meeting;
- 3) can reasonably be completed within the residency year.

Additional Activities:

Manuscript Preparation

Residents are required to submit one manuscript per year for publication in a refereed journal.

Southwestern Leadership Conference (ALCALDE)

Residents participate in this regional residents meeting, also known as ALCALDE, in the spring. Residents have the opportunity to present their project results for evaluation. It is also a great opportunity to interact with residents from other programs throughout the region.

Program Leadership

Ronald G. Hall II, Pharm.D., BCPS

Program Director – Infectious Diseases Specialty Residency



Dr. Hall earned his Doctor of Pharmacy degree from the St. Louis College of Pharmacy. His postdoctoral training includes completion of a Pharmacy Practice Residency at Baptist Memorial Healthcare in Memphis and an Infectious Diseases Specialty Residency at the South Texas Veterans Healthcare System in San Antonio. Dr. Hall's research interests focus on optimizing outcomes of antimicrobial therapy. His research program includes investigating the pharmacokinetics/pharmacodynamics of antimicrobials in the obese, factors affecting clinical outcomes of infectious diseases, and antifungal therapy. He has authored several publications relating to anti-infective therapy and has enjoyed the opportunity to speak on related infectious disease topics to physicians, pharmacists, and nurses. Dr. Hall is active in national and international infectious diseases organizations including the American Society for Microbiology, Infectious Diseases Society of America, and Society of Infectious Diseases Pharmacists.

Anthony J. Busti, Pharm.D., BCPS

Preceptor – Longitudinal HIV/ID Clinic Experience

Dr. Busti received his Bachelor of Science in Nursing at the University of the Incarnate Word in San Antonio and his Doctor of Pharmacy degree from Texas Tech University Health Sciences Center School of Pharmacy. Dr. Busti completed an ASHP accredited specialty residency in primary care at the University of Texas at Austin College of Pharmacy and Scott & White Memorial Hospital in Temple, Texas. His current inpatient clinical practice includes working with an internal medicine team from the University of Texas Southwestern School of Medicine and in an outpatient Pharmacotherapy Clinic at the Dallas VA Medical Center.



Current Residents



Marina Thomaskutty, Pharm.D. (2005-2006)

Dr. Thomaskutty received her Doctor of Pharmacy degree from the Philadelphia College of Pharmacy in Philadelphia, Pennsylvania. After graduation she then completed a Pharmacy Practice Residency at Crozer-Keystone Health System in Delaware County, Pennsylvania. Her residency project is focusing on the outcomes of patients treated with Minocycline or Trimethoprim/Sulfamethoxazole for infections due to Methicillin-Resistant *Staphylococcus aureus* (MRSA).

Past Residents

Darego O. Maclayton, Pharm.D. (2004-2005)

Dr. Maclayton received his Doctor of Pharmacy degree from Texas Southern University in Houston, Texas. After graduation, he then completed an ASHP-accredited Pharmacy Practice residency at Baptist Memorial Health Care in Memphis, Tennessee. Dr. Maclayton's residency project focused on determining if obesity affects outcomes of patients with *Staphylococcus aureus* bacteremia. He joined the faculty of Texas Southern University, College of Pharmacy and Health Sciences as an Assistant Professor of Pharmacy Practice upon completion of his residency.



Information for Applicants

Qualifications: Residency applicants must have a Pharm.D. degree, be eligible for licensure in Texas, and be eligible for enrollment in Texas Tech UHSC School of Pharmacy. A Pharmacy Practice residency or equivalent experience is required.

Information regarding application materials, processes, and deadlines can be found under ***Applicant Information***.

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Site Information:



The Veterans Affairs North Texas Health Care System (VANTHSC) consists of three campuses including the Dallas VA Medical Center, Sam Rayburn Memorial Hospital in Bonham, and the Fort Worth Outpatient Clinic. The Dallas VA Medical Center, located 10 miles south of downtown Dallas, is a 571-bed inpatient facility with a new outpatient facility opened in 1999. The Dallas VAMC has a 48-bed Intensive Care area in

the Clinical Addition, a state-of-the-art building that was completed in 1998. Intensive Care Units are divided into the Surgical ICU, Thoracic ICU, Medicine ICU, and Cardiology ICU. Each of the four Intensive Care Units have computerized medical charts, medical administration records (MAR), bedside computer monitors for each patient, and physician order entry capabilities. A 50-bed telemetry stepdown unit is also housed within the Clinical Addition. The DVAMC is also a major training site for multiple health care professionals and is one the main teaching hospitals for residents and fellows from the University of Texas Southwestern (UTSW) Medical Center of Dallas. The UTSW is currently ranked 17th in the nation for research. Other Dallas training centers include the Childrens Medical Center, Harris Methodist Hospital, Presbyterian Hospital, and the Poison Control Center at Parkland Memorial Hospital.